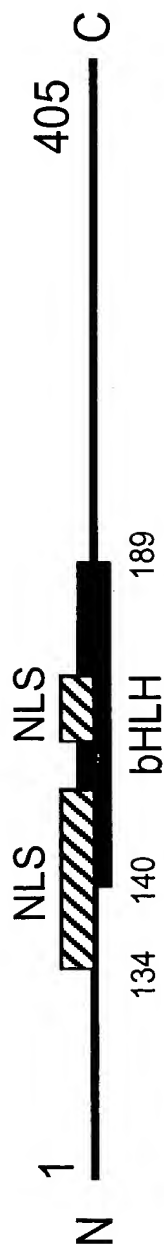


FIG. 1



NLS = nuclear localization signals, residues 134-150, 163-169.
 bHLH = basic helix-loop-helix domain, residues 140-189.

15

FIG. 2

[illegible]

[illegible]

FIG. 3

Homology with Max (rat)

gnl|PID|d1003848 (D14448) Max [Rattus norvegicus]
Length = 151

Score = 93 (42.1 bits), Expect = 0.00037, P = 0.00037
Identities = 17/50 (34%), Positives = 30/50 (60%)

22P4G9: 5 HSSKEKLRRERIKYCCEQLRTLTPYVKGRKNDAAASVLEATVDYVKYIREK 54
H++ E+ RR+ IK LR +P ++G K A +L+ +Y++Y+R K
Max: 19 HNALERKRRDHKDSFHSRLRDSVPSLQGEKASRAQILDKATEYIQYMRK 68

Homology with Mxi (zebrafish)

sp|P50541|MXI1_BRARE MAX INTERACTING PROTEIN 1 (MXI1 PROTEIN)
gi|505977
(U10638) zMxi1 [Brachydanio rerio]
Length = 243

Score = 64 (29.0 bits), Expect = 3.3, P = 0.96
Identities = 11/24 (45%), Positives = 17/24 (70%)

22P4G9: 5 HSSKEKLRRERIKYCCEQLRTLTP 28
H+ EK RR ++ C E+L+TL+P
Mxi: 81 HNELEKNRRRAHLRLCLERLKTLP 104

667630"00068660

FIG. 4

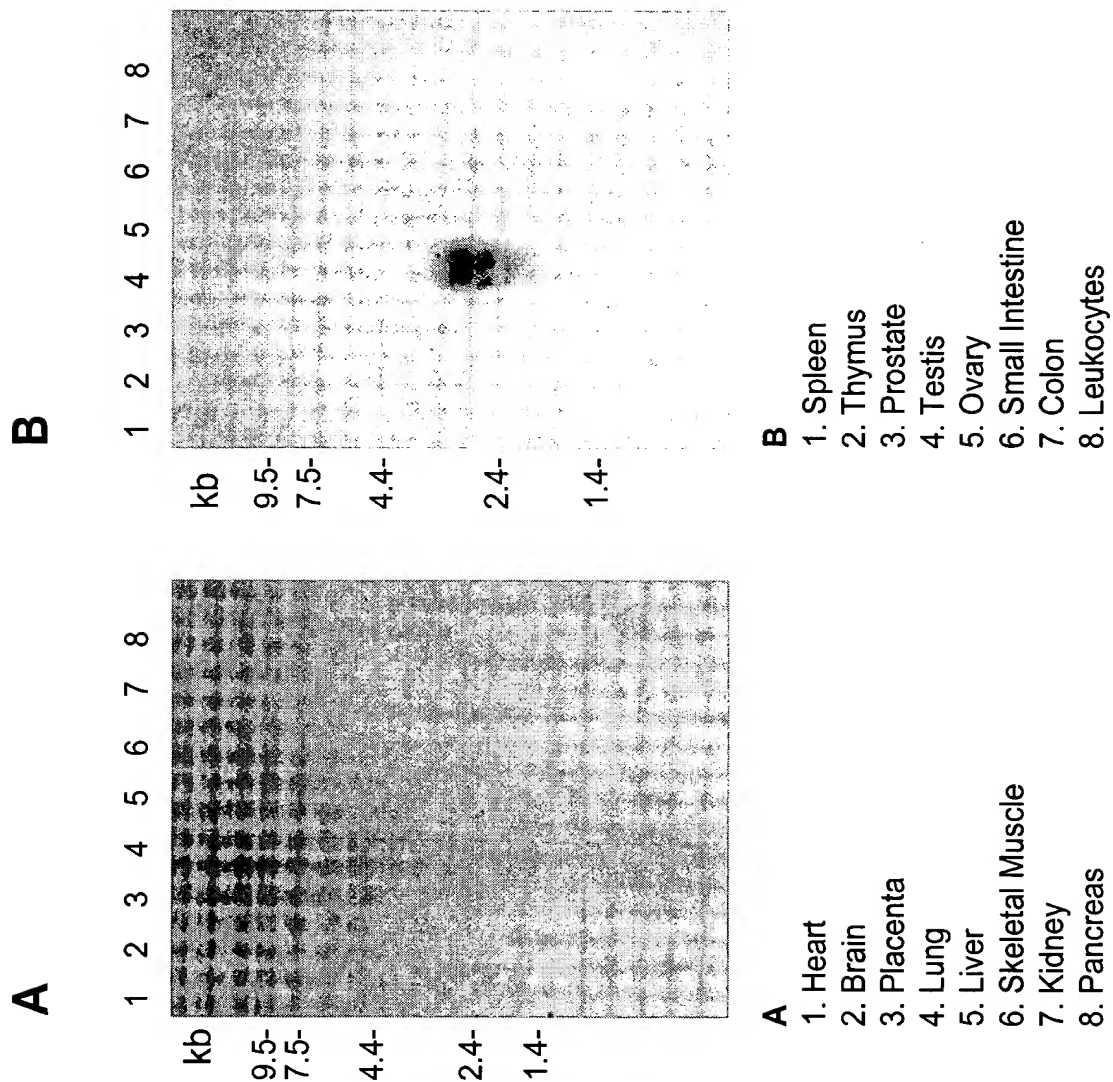
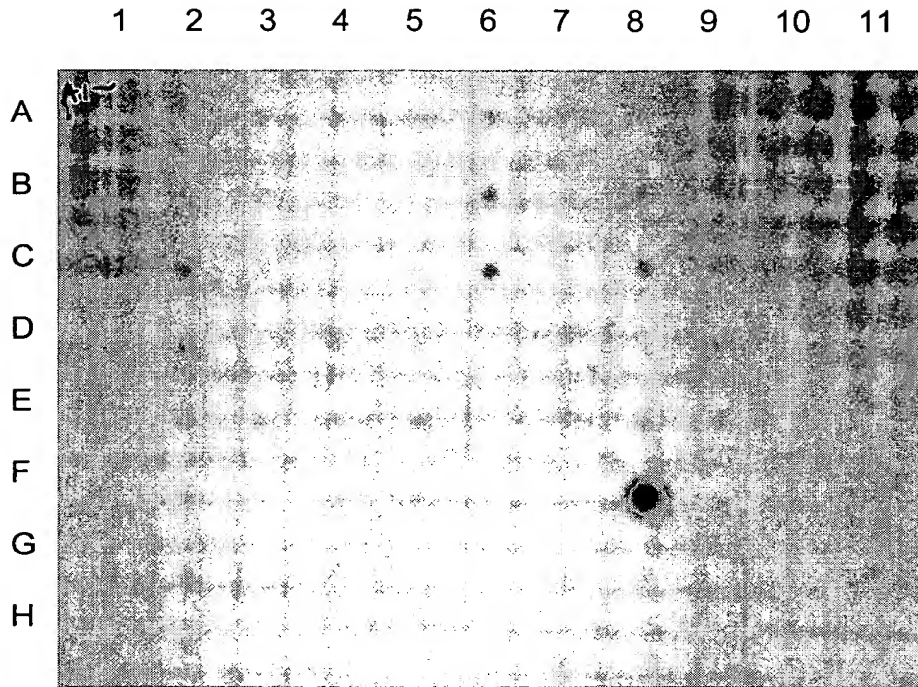


FIG. 5



A1 whole brain
A2 cerebellum, left
A3 substantia nigra
A4 heart
A5 esophagus
A6 colon, transverse
A7 kidney
A8 lung
A9 liver
A10 HL60, leukemia
A11 fetal brain

B1 cerebral cortex
B2 cerebellum, right
B3 accumbens nucleus
B4 aorta
B5 stomach
B6 colon, descending
B7 skeletal muscle
B8 placenta
B9 pancreas
B10 HeLa, S3
B11 fetal heart

C1 frontal lobe
C2 corpus callosum
C3 thalamus
C4 atrium, left
C5 duodenum
C6 rectum
C7 spleen
C8 bladder
C9 adrenal gland
C10 K562, leukemia
C11 fetal kidney

D1 parietal lobe
D2 amygdala
D3 pituitary gland
D4 atrium, right
D5 jejunum
D6 -
D7 thymus
D8 uterus
D9 thyroid gland
D10 MOLT-4, leukemia
D11 fetal liver

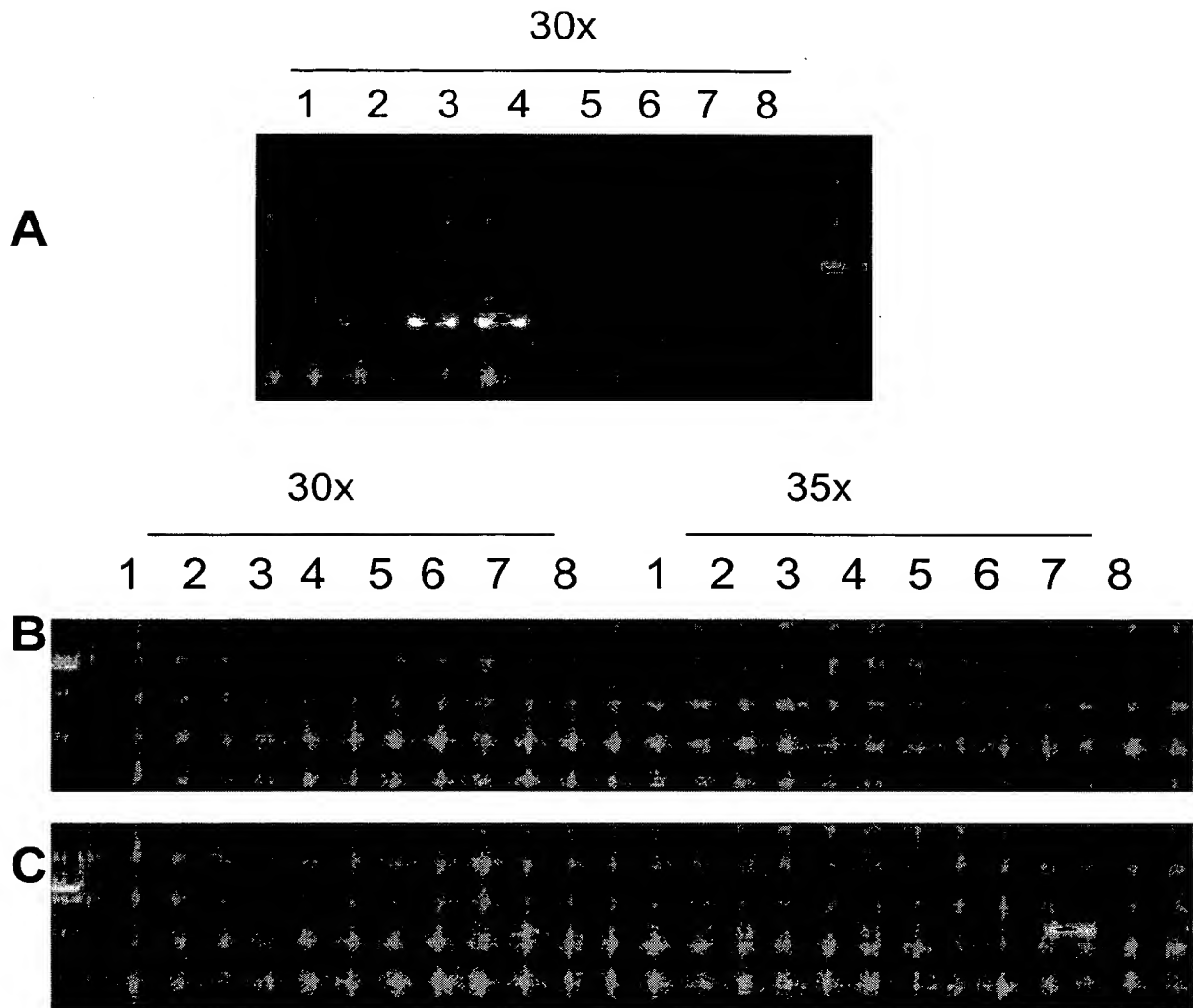
E1 occipital lobe
E2 caudate nucleus
E3 spinal cord
E4 ventricle, left
E5 ileum
E6 -
E7 leukocytes
E8 prostate
E9 salivary gland
E10 RAJI, lymphoma
E11 fetal spleen

F1 temporal lobe
F2 hippocampus
F3 -
F4 ventricle, right
F5 ileoceum
F6 -
F7 lymph node
F8 testis
F9 mammary gland
F10 DAUDI, lymphoma
F11 fetal thymus

G1 paracentral gyrus
G2 medulla oblongata
G3 -
G4 interventricular septum
G5 appendix
G6 -
G7 bone marrow
G8 ovary
G9 -
G10 SW480, colon cancer
G11 fetal lung

H1 pons
H2 putamen
H3 -
H4 apex of the heart
H5 colon, ascending
H6 -
H7 trachea
H8 -
H9 -
H10 A549, lung cancer
H11 -

FIG. 7



Panels:

A

1. Brain
2. Prostate
3. LAPC-4 AD
4. LAPC-4 AI
5. LAPC-9 AD
6. HeLa
7. Murine cDNA
8. Neg. control

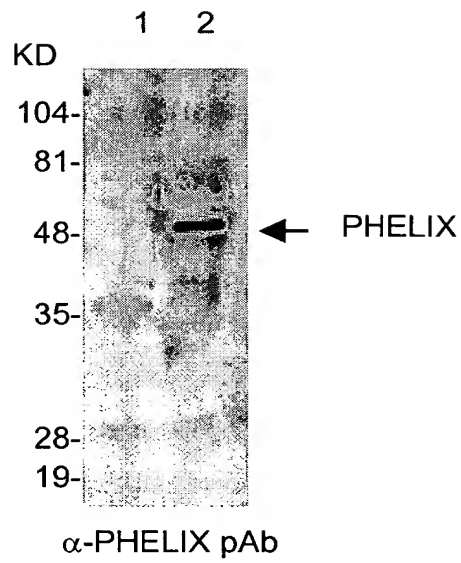
B

1. Brain
2. Heart
3. Kidney
4. Liver
5. Lung
6. Pancreas
7. Placenta
8. Skeletal Muscle

C

1. Colon
2. Ovary
3. Leukocytes
4. Prostate
5. Small Intestine
6. Spleen
7. Testis
8. Thymus

FIG. 8



Lanes:

1. 293T cells transfected with pcDNA3.1
2. 293T cells transfected with PHELIX-mycHis

FIG. 9

